

BONDERITE C-AK L-10

February 2018

PRODUCT DESCRIPTION

BONDERITE C-AK L-10 provides the following product characteristics:

Technology	Industrial Cleaner
Product Type	Alkaline Cleaner
Application	Parts Cleaning

BONDERITE C-AK L-10 is a spray/immersion liquid alkaline cleaner for brass - aluminum - steel.

Application Areas:

BONDERITE C-AK L-10 is a liquid alkaline detergent used in spray ($T > 35^{\circ}\text{C}$) or immersion application for cleaning processes of multi-metal surfaces (Brass - Aluminum - Steel).

BONDERITE C-AK L-10 is particularly effective for removal of both fats and pigments (like oil, animal fat, inorganic pigments, etc.).

BONDERITE C-AK L-10 contains special complexing agents and does not form scales even when used in hard water tanks.

The product does not produce foam if employed at temperatures above 35°C .

TECHNICAL DATA

Appearance	colourless to pale yellow, clear liquid
Density, g/cm^3	~1.47
pH-value: (in a solution of 10 g/L)	~13

DIRECTIONS FOR USE**Preliminary Statement:**

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Operating Data:

Concentration:	3 to 6 %
Temperature:	35 to 75°C
Time:	depending on the working conditions (type of dirt and plant)

Bath Make-up:

Prepare a new 1,000 L bath following the procedure below.

1. Fill the tank with water.
2. Start the circulation pumps and heat up to the working temperature.
3. Add slowly the required amount of BONDERITE C-AK L-10 (30 to 40 kg for each 1,000 L of bath).
4. Recirculate to homogeneity and bring to working temperature.
5. Make the controls.

HENKEL Technical Service will suggest you treatment parameters and best use concentration at the start up according to the type of plant and material to treat.

Bath Control:

The bath is run through controls of total Alkalinity.

A standard bath prepared at 50 g/L concentration should have a value of approx. 19 mL.

Total alkalinity:

Transfer 10 mL of working bath into a 250 flask or beaker. Add 100 mL of demineralised water and 3 to 5 drops of Methyl-orange Indicator.

Titrate with 0.1 N HCl until the color changes from yellow to red.

The ml of 0.1 N HCl used for the titration represent the Total Alkalinity of the bath.

Replenishment:

The bath must be periodically controlled and kept to operating concentration fixed at the start up by replenishing with BONDERITE C-AK L-10 according to Total Acid points. Add 2.6 kg of BONDERITE C-AK L-10 for each missing point and for each 1,000 L of bath.

Caution:

Small differences in the product appearance do not affect its performances or efficiency.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

Hazards identification
Transport information
Regulatory information

Storage:

Recommended Storage Temperature	5 to 35°C
Shelf-life, months (in unopened original packaging)	24

ADDITIONAL INFORMATION**Disclaimer****Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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